

DIVISION OF OIL, GAS, AND MINING

BOND ESTIMATE

OPERATOR: Atlas Minerals
 MINE NAME: Rim, Columbus
 LOCATION: East Canyon
 COUNTY: San Juan
 DATE: December 27, 1982

ACT/037/006

Operation	Amount	Rate	Cost
CLEAN-UP			
1. Removal of structures & equipment.	3,310 ft ²	\$1.50/ft ²	\$4,965
2. Removal of trash & debris.	16.4 acres	\$100/acre	\$1,640
3. Leveling of ancillary facilities pads and access roads.	1.7 acres	\$1000/acre	\$1,700
REGRADING & RECONTOURING			
1. Earthwork including haulage and grading of spoils, waste and overburden.	14.7 acres	\$1000/acre	\$14,700
2. Recontouring of highwalls and excavations.	N/A	N/A	N/A
3. Spreading of soil or surficial materials.	N/A	N/A	N/A
STABILIZATION			
1. Soil preparation, scarification, fertilization, etc.	----- Included in regrading -----		
2. Seeding or planting.	16.4 acres	\$125/acre	\$2,050
3. Construction of terraces, waterbars, etc.	----- Included in regrading -----		
LABOR			
1. Supervision.	1100 hrs	\$15/hr	\$16,500
2. Labor exclusive of bulldozer time.}			
SAFETY			
1. Erection of fences, portal coverings, etc.	2 portals 1 shaft 2 boreholes	\$2,500 each \$1,000 each	\$2,500 \$2,000
2. Removal or neutralization of explosive or hazardous materials.	N/A	N/A	N/A
MONITORING			
1. Continuing or periodic monitoring, sampling & testing deemed necessary.	120 80 hrs	\$15/hr	1800 \$1,200
OTHER			
1. Fencing to control grazing (if necessary)	3,700 ft	\$1.25/ft	\$4,625
2. Contingency costs	\$51,880	10%	\$5,188
Total	N/A	N/A	\$57,068

64,328